

## OIB - HU-25A Guardian #524 07/25/17 Science Report

**Aircraft:** [HU-25A Guardian - LaRC #524](#) ([See full schedule](#))

**Date:** Tuesday, July 25, 2017

**Mission:** OIB

**Mission Location:** Greenland

**Mission Summary:**

OIB flew the Convergence West 2 mission which completes the experiment from the first flight of the campaign on 7/17/17 to study sea ice thickness change due to the piling up of sea ice (or convergence) as the movement of ice pushes it up against the coast. The flight is a near-repeat of the first mission, but has been adjusted to follow the same sea ice surveyed previously using ice motion tracking data provided by Ron Kwok.

Weather was clear for the entire mission and good data was collected throughout.

Some opportunistic data over ice on Ellesmere Island was collected as well.

Data volumes

ATM: 30 Gb

FLIR: 3.1 Gb

DMS: 30 Gb

Headwall: 26 Gb

**Submitted by:** Nathan T. Kurtz on 07/25/17

**File:**



[convergence\\_west\\_2.pdf](#)

**Related Flight Report:**

### HU-25A Guardian #524 07/25/17

**Flight Number:** OIB Summer Science Data Flight #5 & #6

**Payload Configuration:** ATM

**Nav Data Collected:** No

**Total Flight Time:** 7.2 hours

**Submitted by:** Luci Crittenden on 07/25/17

**Flight Segments:**

<b>From:</b>	BGTL	<b>To:</b>	BGTL
<b>Start:</b>	07/25/17 11:10 Z	<b>Finish:</b>	07/25/17 14:55 Z
<b>Flight Time:</b>	3.7 hours		
<b>Log Number:</b>	<a href="#">17F001</a>	<b>PI:</b>	Nathan Kurtz
<b>Funding Source:</b>	Thomas Wagner - NASA - SMD - ESD Cryospheric Science		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	The HU-25A Falcon completed 2 data flights today in support of Operation IceBridge in Thule, Greenland. Data Flight #5 was the Greely North mission.		

<b>From:</b>	BGTL	<b>To:</b>	BGTL
<b>Start:</b>	07/25/17 15:50 Z	<b>Finish:</b>	07/25/17 19:22 Z
<b>Flight Time:</b>	3.5 hours		
<b>Log Number:</b>	<a href="#">17F001</a>	<b>PI:</b>	Nathan Kurtz
<b>Funding Source:</b>	Thomas Wagner - NASA - SMD - ESD Cryospheric Science		
<b>Purpose of Flight:</b>	Science		
<b>Comments:</b>	and Data Flight #6 was the Convergence West 2 mission.		

**Flight Hour Summary:**

17F001

<b>Flight Hours Approved in SOFRS</b>	44.2
<b>Total Used</b>	39.5
<b>Total Remaining</b>	4.7

#### 17F001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">07/10/17</a>	OIB Summer Science ICF	Check	3.7	3.7	40.5	
<a href="#">07/12/17</a>	2017 OIB Summer Science Transit	Transit	2.9	6.6	37.6	
<a href="#">07/12/17</a>	2017 OIB Summer Science Transit	Transit	2.3	8.9	35.3	
<a href="#">07/13/17</a>	2017 OIB Summer Science Transit BGSF-BGTL	Transit	1.9	10.8	33.4	
<a href="#">07/17/17</a>	OIB Summer Science Data Flight#1	Science	3.8	14.6	29.6	
<a href="#">07/18/17</a>	OIB Summer Science Data Flight #2	Science	3.7	18.3	25.9	
<a href="#">07/19/17</a>	OIB Summer Science Data Flight #3	Science	2.7	21	23.2	
<a href="#">07/24/17</a>	OIB Summer Science Data Flight #4	Science	3.9	24.9	19.3	
<a href="#">07/25/17</a>	OIB Summer Science Data Flight #5 & #6	Science	3.7	28.6	15.6	
<a href="#">07/25/17</a>	OIB Summer Science Data Flight #5 & #6	Science	3.5	32.1	12.1	
<a href="#">07/26/17</a>	OIB Transit Legs BGTL-BGSF-KBGR	Transit	2	34.1	10.1	
<a href="#">07/26/17</a>	OIB Transit Legs BGTL-BGSF-KBGR	Transit	3.7	37.8	6.4	
<a href="#">07/27/17</a>	OIB Transit Leg KBGR-KLFI	Transit	1.7	39.5	4.7	

*Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.*

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